

**What is claimed is:**

1. A method for installing a networked attached storage, said storage being connected to a network, and including at least a first, a second, a third and a fourth storage devices, the method comprising the steps of:

5        providing a first and second storage carriers to connect to said first storage device and said second storage device, respectively;

         providing a system medium with a built-in operating system, and set in a remote server connected to said network;

         installing said operating system in a system area of the first storage  
10    carrier;

         mirroring said operating system to a system area of the second storage carrier; and

         mirroring said operating system to a system area of the third and a system area of the fourth storage device, respectively.

15    2. The method for installing networked attached storage as in claim 1, wherein there are even storage devices set in said storage for setting a Redundant Array of Independent Disks.

3. The method for installing networked attached storage as in claim 1, wherein said storage device is a SCSI hard disk or a IDE hard disk.

20    4. The method for installing networked attached storage as in claim 1, wherein said network is a local area network or an Internet.

5. The method for installing networked attached storage as in claim 1, wherein said first storage carrier and second storage carrier are identical to said storage device.

6. The method for installing networked attached storage as in claim 1, wherein said system medium is a CD-ROM drive for accessing an optical disk of DVD format or CD format.

7. The method for installing networked attached storage as in claim 1, wherein  
5 said operating system is Windows, LINUX, UNIX or Netware.

8. The method for installing networked attached storage as in claim 1, wherein said remote server is a Windows Server or a compatible server

9. The method for installing networked attached storage as in claim 1, further comprising a step of adding an account/password of a default user and a default  
10 IP address to the remote server, and setting the system medium to be accessible to the default user.

10. The method for installing networked attached storage as in claim 1, further comprising:

providing a BIOS with network boot ROM in the storage device and  
15 turning on the NAS to establish connection between the NAS and the remote server through operating said BIOS.

11. The method for installing networked attached storage as in claim 1, further comprising:

partitioning said first storage carrier into a system area and a data area, and  
20 formatting said system area.

12. The method for installing networked attached storage as in claim 1, further comprising:

logging into the operating system of said first storage carrier through a remote computer connected to the network.

13. The method for installing networked attached storage as in claim 1, wherein said storage carrier is a spare Fixed Hard Disk.

14. The method for installing networked attached storage as in claim 1, further comprising:

5        partitioning said second storage carrier into a system area and a data area, and formatting said system area.

15. The method for installing networked attached storage as in claim 1, further comprising:

removing said first storage carrier;

10        connecting said second storage carrier to said first storage carrier;

providing a third storage carrier and connecting to said second storage device; and

mirroring said operating system to the system area of said second storage device.

15    16. The method for installing networked attached storage as in claim 15, further comprising:

turning off said networked attached storage before removing said first storage carrier.

17. The method for installing networked attached storage as in claim 15, further comprising:

20        turning on said networked attached storage before mirroring said operating system.

18. The method for installing networked attached storage as in claim 15, further comprising:

partitioning said third storage carrier to form a system area and a data area and formatting said system area.

19. The method for installing networked attached storage as in claim 15, further comprising:

5        partitioning said third storage device and fourth storage device to form a system area and a data area.

20. The method for installing networked attached storage as in claim 1, further comprising:

      setting said third and fourth storage devices to be a mirroring source for  
10    restoring the first storage device.

21. The method for installing networked attached storage as in claim 1, further comprising:

      formatting equivalently all the data areas of said storage devices to form a redundant array of independent disks (RAID).

15    22. The method for installing networked attached storage as in claim 21, wherein said storage device is of even amount and used to be paralleling storage of said redundant array of independent disks (RAID) to enhance efficacy of the storage.

      23. The method for installing networked attached storage as in claim 21,  
20    wherein said storage device is of even amount and used to be mirroring storage of said redundant array of independent disks (RAID) to increase security and fault tolerance of the data in the storage.

24. The method for installing networked attached storage as in claim 21, wherein said redundant array of independent disks is a RAID Level 5 format by

a distributed parity check in some or all storage devices.